

Notice of Allowability	Application No.	Applicant(s)	
	09/215,732	DORN ET AL.	
	Examiner	Art Unit	
	Charles E. Anya	2194	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to applicant's response of 8/18/08 and interview of 11/20/08.
2. ☒ The allowed claim(s) is/are 1,3,5 and 6: now renumbered as 1-4.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: ____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date ____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date ____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| <ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date ____ 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date <u>11/20/08</u>. 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other ____. |
|---|--|

/Meng-Ai An/
Supervisory Patent Examiner, Art Unit 2195

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

1. Authorization for this examiner's amendment was given in a telephone interview with Melvin Robinson (Reg. No. 31,870) on 11/20/08.

2. In the specification:

- page 8, line 11, insert " now patent number 6,275,871" before – which --;
- page 8 line 13, insert " now patent number 6,012,081" before – which --;
- page 12, line 13, insert " now patent number 6,012,081" before – which --;

3. In the claims:

Rewrite the claims as follows:

a. Claim 1;

A computer having a processor for executing an object oriented computer program stored in memory, the object oriented computer program comprising:

a generic main for hosting any kind of at least one of a presentation logic application component and a business logic layer component;

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a configuration component for configuring the generic main at runtime, wherein said configuration component includes:

a service configurator for creating service objects by activation of dynamic link libraries, a service dispatcher that communicates with a network on behalf of the configuration component, a service manager that communicates with said service dispatcher for service registration and handling, and a service repository that communicates with said service configurator for insertion of the service objects; and

a framework connector providing communications between said presentation logic application component and said business logic layer component and said configuration component, wherein said framework connector includes:

a socket for communication over machine boundaries, said socket including communications links to remote networks,

a upipe for internal communication, said upipe including communications links within a component, and

an npipe for communication between components, said npipe including communications links to other components.

b. Claim 2;

Cancel claim 2

c. Claim 3;

An object oriented computer program as claimed in claim 1, wherein said generic main is independent of an operating system of the computer until configured by said configuration component.

d. Claim 4;

Cancel claim 4

e. Claim 5;

A method of operating a computer, comprising the steps of:

providing a generic main component including a framework connector, wherein said framework connector includes:

a socket for communication over machine boundaries, said socket including communications links to remote networks, a upipe for internal communication, said upipe including communications links within a component, and an npipe for communication between components, said npipe including communications links to other components;

configuring said generic main component at runtime with dynamic link libraries, including:

generating a service configuration file, wherein said configuration file includes:

a service configurator for creating service objects by activation of dynamic link libraries, a service dispatcher that communicates with a network on behalf of the configuration component, a service manager that communicates with said service

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dispatcher for service registration and handling, and a service repository that communicates with said service configurator for insertion of the service objects;

loading the dynamic link libraries into the generic main component; and

inserting the generic main component configured according to the service configuration file into programs running on said computer so that the programs on the computer are configured.

f. Claim 6;

A computer having a processor for executing an object oriented computer program stored in memory, the object oriented computer program comprising:

a generic main object for hosting any kind of at least one of a presentation logic application component and a business logic layer component;

a configuration component for configuring the generic main object at runtime;

a framework connector providing communications between said presentation logic application component and said business logic layer component and said configuration component;

a service configuration manager for monitoring all active instances of said generic main object and activating loading of services or components in an active generic container; and

an object oriented binary executable providing proper hidden installation of process wide singleton objects for:

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basic network communications for anonymous and asynchronous communication, basic synchronous/asynchronous management of the components in said generic main object, basic dynamic linking features with component dynamic link libraries, a basic operating system abstraction layer, a basic interface to a system configuration control, providing support for full duplex event and request/response channels, providing generic connection to dominant GUI-framework supported main programs through a message pump interconnection protocol, providing generic support of an object dump database (debugging port).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Charles E. Anya whose telephone number is 571-272-3757. The examiner can normally be reached on 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai An can be reached on 571-272-3756. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Meng-Ai An/
Supervisory Patent Examiner, Art Unit 2195

cea.